

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)

As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1 Page 1 of 2

1. Manufactured and certified by MAT Industries, LLC, 213 Industrial Drive, Jackson, Tennessee, 38301

(Name and address of Manufacturer)

2. Manufactured for Not Known - Built For Stock

(Name and address of Purchaser)

3. Location of Installation Not Known - Built For Stock

(Name and address)

4. Type Vertical 496284 to 496383 M9694.5C E106376 Rev 6 496284-496383 2019
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)5. ASME Code, Section VIII, Division 1 2017/ N/A 1518-5, 2324 NA
(Edition and Addenda, if applicable (date)) (Code Case numbers) (Special service per UG-120(d))6. Shell: SA-414 Gr G .162 in 0 in 2' (ID) 2' 9.4"
(Material spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) (Length (overall))

Body Flanges on Shells												
No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

7. Seams: Type #1 None 70% NA NA Lap None 45% 1
[Long. (welded, dbl., sngl., lap, butt)] [R.T. (spot or full)] (Eff. %) (H.T. temp) (Time, hr) [Girth. (welded, dbl., sngl., lap, butt)] [R.T. (spot or full)] (Eff. %) (No. of courses)8. Heads: (a) Material SA-414 Gr G (b) Material SA-414 Gr G
(Spec. no., grade) (Spec. no., grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	TOP	.131	0	N/A	N/A	2:1	N/A	N/A	NA	Concave
(b)	BOTTOM	.131	0	N/A	N/A	2:1	N/A	N/A	NA	Concave

Body Flanges on Heads												
	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
(a)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A

9. MAWP 200 psi N/A at max. temp. 400 °F N/A
(Internal) (External) (Internal) (External)Min. design metal temp. -20 °F at 200 psi . Hydro, pneu., or comb. test pressure PNEU at 260 psi .Proof test N/A .

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
Inlet	1	.25 NPT	Forged	N/A	SA-105	.567	N/A	Welded	N/A	UW-16.2(c)	Top
Inlet	1	.5 NPT	Forged	N/A	SA-105	.361	N/A	Welded	N/A	UW-16.2(c)	Top
Outlet / Insp	1	2 NPSM	Forged	N/A	SA-105	.347	N/A	Welded	N/A	UW-16.2(c)	Shell
Drain / Insp	1	2 NPSM	Forged	N/A	SA-105	.407	N/A	Welded	N/A	UW-16.2(c)	Bottom

11. Supports: Skirt No Lugs NA Legs 4 Other Base Attached Welded to Top and Bottom Head
(Yes or no) (Number) (Number) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors, have been furnished for the following items of the report:

N/A
(Name of part, item number, Manufacturer's name and identifying stamp)Built in accordance with UG-90 (c) (2) .No impact testing per UG-20 (f) .1) Vessel to be used for compressed air only.2) Not for lethal use. Safety relief added at assembly.

Manufactured by MAT Industries, LLC, 213 Industrial Drive, Jackson, Tennessee, 38301Manufacturer's Serial No. 496284 to 496383CRN M9694.5CNational Board No. 496284-496383

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization Number 40533

expires March 25, 2020

Date 02/06/2019

Co. name

MAT Industries, LLC

(Manufacturer)

Signed



(Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by MAT Industries, LLC at 213 Industrial Drive, Jackson, Tennessee, 38301

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and employed by OneCIS Insurance Company, of Lynn, MA

have inspected the component described in this Manufacturer's Data Report on February 11, 2019,

and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 02/11/2019

Signed



(Authorized Inspector)

Commissions

13479, AR1411, TN4097, AL10324BL, MS4692, KY1017

(National Board Authorized Inspector Commission number)